California to Boost Borderland; Road to Be Kept Good

Arizona State to Aid In Keeping Up the Roadway

California Willing to Stand Half the Expense of Signing it-Association Is Formed to Keep the Road Open all the year and Make it the Best in Country-To Push Its Completion on to Galveston

BY G. A. MARTIN.

Borderland Route association at Phoenix this week, it is believed that the route between El Paso and San Diego is going to be put into first class shape immediately and kept that way. There were delegates from practically all the interested points along the road and all enthusiastically piedged themselves to return home and arouse sufficient interest in the road to put it in good shape and keep it that way. Gov. Geo. W. P. Hunt, of Arizona, made a tender of the state good roads truck and 10 convicts for working on the road, providing the different counties will pay the actual expense of feeding the men and keeping the tools in shape.

Les Angeles to Aid.
Carl McShay, representing the Automobile club of Southern California, mobile cinb of Southern California, pledged assistance to the road and offered to pay half the cost of signing it from Eil Paso to Los Angeles, saying that if the work was turned over to the Southern California club, it would make the signs and put them up and would stand half the expense of the work; that Los Angeles was in favor of all transcontinental routes and was particularly interested in the Borderland, because it is a southern route open all the year and because of the fact that it is the artery by which the Texas, New Mexico and Arizona people get to Los Angeles. He offered the assistance of the club's road engineer for any work the Borderland people might want him to do.

To Boost Togetker.

want him to do.

The idea of the meeting, as stated by Joseph Gray, of Bisbee, criginator of the plan for forming the association, was to have a general head for boosting the road and improving it, and to keep the different communities interested. A vice president was named for each city through which the road passes and it is the duty of that vice president to form an organization at home for the purpose of interesting the home people in keeping the route through and near that town in shape. J. W. Stockard is the vice president for El Paso and he is going to get to work immediately to have the El Paso end of the road put in shape. C. B. Stevens, president of the El Paso Automobile club, attended the meeting and says he will work enthusiastically with Mr. Stockard.

Hunt is interested.

The proposition of Gov. Hunt to keep the Arizona end of the road in condition has been made to the various county boards of supervisors and state engineer Lamar Cobb is following it up with personal letters to the different supervisors, while the various vice presidents of the association will also take it up on arrival at home and urge its acceptance, as it will only cost the different counties about \$18 a mile a year for keeping the road worked. The matter is to be taken up with Gov. W. C. McDonald, of New Mexico as in Arizona to Reep the road in shape, The most of the work needed in New Mexico is from the foot of the Canutilio hill to a point a couple of miles wast of Lamark. Occasional Canutilio hill to a point a couple of miles west of Langek. Occasional spots need attention at other points, but it would not be necessary to keep a large crew of men at work all the time. Three or four men going over road to be paid by the respective coun-

S a result of the meeting of the the road continuously could keep it in Barderiand Route association at good condition,

The association took action to bring in the west and south Texas communities in the work. The resolutions adopted urged president F. I. Meyers, of Tucson, to take up the matter with the Maria, Alpine. Valentine, Sierra Blanca, Ozona. Del Rio and Uvalde people and urge them to complete the road through to San Antonio. Aireay the road is being built from San Antonio to Galveston and this would give an open Borderland route from Galveston to Los Angeles and San Diego all the year. Cars could be shipped cheap by water to Galveston from the east or could run over the southern roads if they preferred.

Hunt's Letter. On to Galveston.

Hunt's Letter.

The letter of state engineer Lamar Cobb, of Arizona, conveying the proposal of Gov. Hunt to the various supervisors, is as follows:

Phoenix, Ariz., Nov. 1, 1913.

"The legislature at its last session passed a law authorizing the employment of prison labor on the state highways and provided that the expense incident to such employment should be

Phoenix, Ariz., Nov. 1, 1213.

"The legislature at its last session passed a law authorizing the employment of prison labor on the state highways and provided that the expense incident to such employment should be paid for as follows:

"Equipment out of the general fund of the state; subsistence, including clothing (equaling that at the state prison) out of prison fund, and all other expense out of the state road fund of the county in which employed. Under the provisions of this law, we have purchased a five ton Sauer Auto truck for the purpose of maintaining that portion of the state highway lying within Pinal county with prison labor. As this highway within Pinal county will not furnish continuous employment for this truck we would like, as an experiment, to extend its operations into other counties. We desire to suggest a plan to the boards of supervisors in the counties along the socalled Borderland route whereby at the joint expense of the county and state road."

"In making this estimate we have figured on the crew going over the entire length of the road once every two months, which means that they will have to average 10 miles per day. The truck has a speet of more than 12 miles per hour. It is only by making a trial can we determine what length of time will be necessary to go over this entire line making necessary and at the same time economical repairs. We believe that this scheme is feasible and the most economical one to keep this road in fairly good shape the year around. To put it in operation it will be necessary for all the countles along the road once every two months. We desire to suggest the same time economical repairs. We believe that this scheme is feasible and troub the most economical one to keep this road in fairly good shape the year from the most economical repairs. We be that this scheme is feasible and the most economical repairs. We be the most economical repairs. The most economical repairs as the most economical repairs. The most economical repairs at the most economical repairs. the counties along the socalled Borderland route whereby at the joint expense of the county and state road
funds this truck, with a force of state
prisoners, may be kept continuously
employed in maintaining the highway
from Yuma to Douglas and to the
New Mexico line. This road from Yuma
to Douglas, to be exact, it not a state
highway throughout its entire length.
It is a proposed state highway, but only
the portions that have been constructed
out of the state highway fund are,
properly speaking, state highways that
have to be maintained out of this fund.

State Highway Work.

Cost Not Heavy.

"The expense of operating the truck with a force of 10 prisoners with two paid employes, a foreman and mechanician, would be about \$30 per day. The truck, all small tools and a road drag will be furnished by the state without cost to the counties."

"Along the Borderland route the mileage in the various countles of state highway and county road, with estimated cost for each county for maintenance under the proposed plan is shown in the following table:

Yuma... 0 110 110 \$165 \$1980 \$18 Maricopa 16 114 130 195 2340 18 Pinal... 75 0 75 112 1350 18 Pima... 29 51 80 120 1440 18 144 386 530 \$794 \$9540 \$18

Over Road Every 60 days.

MOTORCYCLE NOTES

Among the 12,000 inhabitants of Chanute, Kasses there are seventy-five motorcycle thacts. The machines are used for practical purposes as well as for pleasure. The Changle Dully Times uses a motorcycle for rushing proofs from the newspaper office to advertisers.

Miss Elsie Watson, L. L. A. (St. Andrews) has just completed a 2000 mile motorcycle trip through South Africa. Miss Watson had several exciting experiences on her journey. She met Mrs. Sutton, the daughter of general Cronje, and the first woman cyclist of Africa, while on her travels.

Fred Karl, of Canal Dover, O., has ridden a twin cylinder motorcycle practically 40,000 miles since 1911. The only mechanical expense he has incurred has been \$1.50 for two intake valves. His average cost per mile has been \$.000027.

William Davis and Lee Shiffour re-

Ferguson Maps Southern Route Racers Coming Back From Is Originator and Chief Booster

Crippled Cars to Limp In All This Week

H. Le Gras, of 505 North Stanton street, has just purchased a Hupmobile runabout.

A carload of 1914 Studebakers have just arrived from the factory consigned to the Richardson Auto company. All of the curs comprising this shipment have the left hand drives and center

TESTING MATERIAL

Government Is Endeavoring to Pre-

vent Communities Wasting Large Sums in Mistaken Ideas.

FOR ROAD MAKING

L FERGUSON and family, of five passenger Cole "40" from the Duxbury, Mass, arrived in El Longwell Automobile company. Duxbury, Mass, arrived in El Paso Thursday in a seven passenger Reo touring car, which he left at the Cleveland Square garage.

Ferguson come from the 'west, having been on the Pacific coast and is making a tour to his home in the east over the "All Southern Automobile route," which he is mapping out for the benefit of tourists. Ferguson is known as the engineer of "the all southern route," which he commenced to lay out in 1910, and he is considered one of the leading pathfinders of the United States. The all southern route goes States. The all southern route goes from Los Angeles through Yuma, Douglas, El Paso, Alpine, Fort Stockton, San Antonio, Houston and Orange, Texas, and then through New Orleans, Mobile, Montgomery and Atlanta. Ferguson is being financed in the laying out of his route by a number of daily newspapers of the south. After passing Atlanta, Ga., the route goes up the Atlantic coast to Boston. This route is considered the all year family tourist route and it is claimed will undoubtedly be in great favor with the eastern automobile touring enthusiast, Ferguson left for the east in his car Saturday night. Perguson left for the east in his car Saturday night.

Dr. W. B. Jamleson has purchased a control and the Studebaker company has made the announcement that in the future all cars turned out by the factory will possess electric self starters and electric lights. Saturday night

are taking a jaunt on motorcycles from Niagara Falis to New York city.

Russel Templeton, farmer of Boone county, Ind., has used his motorcycle for the past two years to drive a big ten gallon churn for making butter. In addition he rides it every day.

George T. Ralston, of Butler, O., and Miss Dora F. Dunham, of Wildwood, Pa., rode up to the parsonage of Rev. J. Earle Edwards, of Greenville, O., recently, were quietly matried, and rode away again on their honeymoon.

Four motorcyclists of Freeport, Ill., Fred Armbruster, James Hough, Joseph Siaker and William Cornell, are riding to Deaver. The expect to ride their two wheelers to the top of Pike's

The Birmingham, Ala., police department has doubled its motorcycle force.

George B. Loveless, a mail carrier of Thorntown, Ind., who has been riding a motorcycle on a thirty-three mile route for the past three years, says his entire upkeep expenses, including repairs, oil and gasoline, does noe exceed 25 cents a day.

It is said that California is ahead of any other state in the commercial use of metorcycles in proportion to

Hunting jack rabbits by motorcycle is a sport enjoyed by Hobart, Okla, riders.

E. A. Phepus, of Colorado Springs, has broken all previous motorcycle records for the ascent of Pike's Peak, having made the trip in three hours

the Grind to Phoenix Fair

Cadillac Is Expected First and the Bearcat Will Come Close Behind-Rand Is Bringing Home a New Car The International Automobile company sold a 1914 Bulek Friday to A. S. McCammant, of Corona, N. M. and a Reputation as a "Real Sport;" New Simplex is Bought for Donald Gillies - New John May, of Las Cruces, N. M., purchased a Hudson 5, "54" from the International Auto company.

* Wheels for Buick Machine.

POR several days this week, crippled racing cars will be limping into El Paso, returning from the

El Paso, returning from the

El Paso, Phoneir returning from the El Paso-Phoenix race.

A carload of Hudsons are in the T. & P. yards, a carload of Buicks are due Monday and a carload of Abbott-Detroits are in transit, all consigned to the International Auto company, in the Buick shipment will be the first Buick "6" that has ever been in El Paso. Those that went through and those that did not, will be arriving every day. The first car should come in Sun-The Richardson Motor company has been given the agency for Packard cars and trucks.

day. The first car should come in Sunday, when C. P. Henry and Roy Hagerman will arrive in their Cadillac with a couple of badly scarred faces as a result of an accident near Deming, when the car skidded and they went into a barbed wire fence.

Johnny Johnson will also arrive Sunday evening in the Bearcat Stutz if he has no misfortune. The car reached Phoenix with a broken frame, but this was repaired and A. E. Ryan, the owner, paid a \$61 garage and repair bill and sent it on its way Saturday morning.

day morning.

Eddie Steffes, the driver of Nick Depeder's Mercer, should come limping in some time early in the week. He never got further than Huachuca siding, when he broke the frame in two and had to go back to Tombstone and have the car repaired.

Bringing a New Car.

and had to go back to Tombstone and have the car repaired.

Bringing a New Car.

Jed Newkirk and Ray Horfell will arrive early in the week with the Simplex that won the first money in the El Paso race. They will also bring in a new \$3000 Simplex which Mr. Newkirk bought in Phoenix for his employer, D. P. Gillies, of Chihuahua, temporary resident of El Paso.

W. J. Rand will get in some time during the week with his Simplex "50," which he bought from J. C. Adams last week while in Phoenix. The car makes 60 miles an hour and has traveled to Chicago and Seattle and its metal has been tried. Mr. Rand will be accompanied by his son, Charenco, to Lordsburg, where Charence will pick up the Chalmers "40," which Mr. Rand entered in the race and which was wrecked by Billy Adolph. Mr. Rand ordered it repaired by wire the same day it was wrecked.

"A genuine sport" is the name the El Pasoans have all given Pana for

Washington, D. C. Nov. 9.—On an effort to prevent waste of millions of dollars annually in the distribution of funds for construct on of public roads, Logan Walter Page, director of the office of public roads, of the department of Agriculture, has been making scientific tests to determine what materials should be put into the roads designed to meet different kinds of traffic. It has been found that more than \$1,000,000 a day is spent on constrution of the roads, no estimate is made of the portion of these funds that is wasted, but it is believed to amount into the millions.

Efforts are being made to teach the country that the expenditure of large sums of money on certain types of roads may result almost in a total waste. A road built of materials which would be ideal in one locality may not serve the purpose elsewhere, and the money expended may bring scarcely any result in reducing the cost of hauling or making it easier for the farmer to get to the shipping point with his capps.

To ald the farmers who want to build the rown roads and assist communities that desire to improve roads nearby, the offices of public roads of the department of agriculture has employed experts to test all materials and study their usefulness on roads subjested to certain traffic conditions. "A genuine sport" is the name the Et Pascans have all given Rand for his conduct after his car was wrecked.

roads may result almost in a total which would built of materials scarcely any result in reducing the cost of huuling or making it easier for the farmer to get to the shipping point with his capps.

To aid the farmers who want to build ther new roads and assist communities that desire to improve roads nearby, the offices of public roads of the department of agriculture has eminated to reflice of public roads of the department of agriculture has eminated to reflice of public roads of the department of agriculture has ensured to certain traffic conditions. The office of public roads is acting in an advisory capacity to many States and counties, giving a practical form of national aid.

On roads where there is heavy traffic it has been found that certain kinds of materials are better than others, and that while one kind of binder may not serve the purposes another kind preserves the road indefinitely. Millions of dollars doubtless have been "There are two ways in which the engineer may avail himself of the life knowledge of the absence of scientific knowledge of the absence of scientific knowledge that we have a sum of the capacity of the capa

son, the driver, P. S. Durack, remem-

Tueson control, he jumped out, poured a bucket of water into the radiator and went on. Out towards Florence, the car gave two coughs and stopped. He got out and found it "frozen" up; the engine would not budge. He examined the radiator and there was not a drop of water. The engine had got so hot that the pistons had expanded and refused to work.

The Cause of the Stop.

Further examination showed the drain cock broken off. It was found in the dust pan under the car. The rock that struck the front of the car had done it and the water had all leaked out. The water he put in at Tucson had run out soon after being put in, of course, hence the car was without a cooling system except the air that struck the engine as the machine raced along the road. Mr. Durack was out on the desert with no water and a hot car, but racing drivers must be geniuses, so he found a mesquite bush, made a plug from a limb, drove it into the bottom of the radiator where the drain cock had been, poured in what lubricating oil he had on hand and, as soon as the car had cooled sufficiently to be started, resumed the race, using lubricating oil instead of water to cool the engine for the rest of the distance, some 75 miles. He had tost over an hour, however, and was not in on any of the money.

Sympathy for Losera. The Cause of the Stop.

of the money.

Sympathy for Losers.

Much sympathy has been expressed among the El Paso fans for Tony Workman, in his accident. Tomy, in his Chalmers "30" was making good time, when he turned over at Rodeo the first day out, and he had a splendid chance to come into the money, as his car was in fine smape. He had spent much time putting it into condition and is a careful criver.

Abe Aguilar, who turned over in his Hup, and Chas. Switzer, who broke a spring on his Buick "19" near Gage, also had the sympathy of the El Pasonas and many others because they had small cars and started pluckily. Aguilar had been expected to ride a motorcycle in some of the Phoenix track events and the El Pasoans expected him to make a good showing for El Paso him to make a good showing for all

The fact that a Ford finished in both the races—Los Angeles and El Paso—caused much favorable comment for these little cars. Both went through passing some much larger cars that were disabled and finishing in condition good enough to enal them to enter the track events Phoenix on Thursday.

Demonstrated Little. The race demonstrated very little to the matter of cars. Many had expected light cars to finish first; others had said the heavy cars would finish first. They finished about even in the matter of weights, slthough both firsts were won by heavy cars, the El Paso race by a Simplex and the Los Angeles race by a Locomobile.

The race demonstrated that experienced drivers can make better time than novices, however. While many of the El Paso drivers were not in the real novice class, none of them had the experience of most of the men in the experience of most of the men in the Los Angeles race. The result was that the Los Angeles cars finished over a rougher road in better time than the El Pasoans. More Los Angeles cars were broken down, however, which may mean one of two things, either that the drivers forced them more in their craze for speed or they were torn to pieces because the road was rougher. Perhaps both factors entered into the race. Speed man acs were driving in the Los Angeles race, while the El Paso drivers were more conservative or, mayhan, more timid, El Paso Flaishes More Cars.

Eleven El Paso cars out of 1s entries finished at Phoenix, while but seven Los Angeles cars finished out of 13 starters. Barney Oldfield, the "daredevil." failed to finish first in the

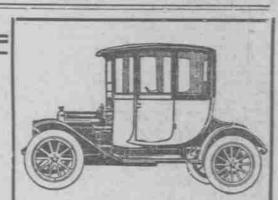
(Continued on Page Five, Column 1.)

Simplex, Winner of El Paso Race to Phoenix, Finishing at Arizona Fair (Cut, Courtesy Arizona Republican.)

S NAPSHOT of Donald B. Gillies's Chihuahua Simplex, as it finished before the Phoenix grandstand. Driving the car is "Jed" Newkirk, who piloted it to victory. Seated beside him is George Purdy Bullard, chairman of automobile events for the Phoenix fair. Standing on the left is Robert H. Rinebart, chairman of the El Paso racing committee; standing on the running board on the left in the picture is G. A. Martin, secretary of the El Paso racing committee; on the right of the car in the picture are Clarence Rand and Nic Depeder, of El Paso.



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